

NEW REPLACEMENT NAMES FOR TWO NEOTROPICAL LEAFHOPPER GENERA (HEMIPTERA: CICADELLIDAE)¹

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ABSTRACT: Two junior homonyms were detected among leafhopper genera and the following replacement names are proposed: *Nallia* nom. nov. for *Nollia* Hamilton, 1983, and *Neosuareszia* nom. nov. for *Suareszia* Linnavuori and DeLong, 1978. Accordingly, new combinations are herein proposed for the species currently included in these genera: *Nallia pallida* (Linnavuori and DeLong, 1977) comb. nov.; *Nallia rustica* (Hamilton, 1983) comb. nov.; *Neosuareszia reflexus* (Osborn, 1923) comb. nov.

KEY WORDS: homonymy, replacement names, Cicadellidae, Homoptera

The purpose of the present paper is to bring the taxonomy of leafhoppers into accordance with the requirements of the International Code of Zoological Nomenclature (1999). In an effort to reduce the number of homonyms in the Cicadellidae, we found two Neotropical leafhopper genera whose names had been previously published for other taxa, making them junior homonyms. In accordance with Article 60 of the Code, we propose substitute names for these genus group names.

Family Cicadellidae Subfamily Macropsinae Genus *Nallia* nom. nov.

Nollia Hamilton, 1983. Memoirs ent. Soc. Can. No. 123: 19. (Insecta: Hemiptera: Auchenorrhyncha: Cicadellidae: Macropsinae: Neopsini). Preoccupied by *Nollia* Eisenack, 1979. Senckenbergiana leth. 60 (1-3): 52. (Protozoa: Acritarcha).

Remarks on nomenclatural change: The Neotropical *Nollia* Hamilton, 1983, was established for a leafhopper genus with the type species *Neopsis pallidus* Linnavuori and DeLong, 1977, from Chiloe Is. (Chile). It is still used as a valid genus name in Cicadellidae (e.g. Oman et al., 1990).

Nevertheless the name *Nollia* is already occupied. Eisenack (1979) established a microfossil genus *Nollia* with the type species *Nollia eifelensis* Eisenack, 1979, in Acritarcha (Protozoa). It is still used as a valid genus name in Acritarcha (e.g. Mullins, 2007). It is a monotypic genus. The genus name *Nollia* Eisenack, 1979 (Protozoa) is recorded by Edwards et al. (1996) in volume 9, page 442 of Nomenclator Zoologicus. In fact, that in accordance with Article 1.1.1 and 2.2 of the Code, we regard *Nollia* Eisenack, 1979, as an animal name.

Thus the leafhopper genus *Nollia* Hamilton, 1983, is a junior homonym of *Nollia* Eisenack, 1979. In accordance with Article 60 of the ICZN, Fourth

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Edition (1999), we suggest here *Nallia* as a replacement name for *Nollia* Hamilton, 1983.

Etymology: From the preexisting name *Nollia*.

Summary of nomenclatural changes

***Nallia* new replacement name**

= *Nollia* Hamilton, 1983 (nec Eisenack, 1979).

***Nallia pallida* (Linnavuori and DeLong, 1977) comb. nov.**

= *Neopsis pallidus* Linnavuori and DeLong, 1977

= *Nollia pallida* (Linnavuori and DeLong, 1977)

***Nallia rustica* (Hamilton, 1983) comb. nov.**

= *Nollia rustica* Hamilton, 1983

Subfamily Deltocephalinae

Genus *Neosuarezia* nom. nov.

Suarezia Linnavuori and DeLong, 1978. Brenesia 14-15: 121. (Insecta: Hemiptera: Auchenorrhyncha: Cicadellidae: Deltocephalinae: Athysanini). Preoccupied by *Suarezia* Budde-Lund, 1904. Revis. Crust. Is. terr., fasc. 2-3, 41 (Crustacea: Malacostraca: Eumalacostraca: Peracarida: Isopoda: Oniscidea: Scleropactidae).

Remarks on nomenclatural changes: Linnavuori and DeLong (1978) proposed the Neotropical leafhopper genus *Suarezia* with the type species *Eutettix reflexus* Osborn, 1923, from Puerto Suarez (Bolivia) in Cicadellidae. It is still used as a valid genus name (e.g. Oman et al., 1990; Freytag and Sharkey, 2002). Unfortunately, the generic name was already preoccupied by Budde-Lund (1904), who described *Suarezia* with the type species *Mesarmadillo heterodoxa* Dollfus, 1895, in the crustacean family Scleropactidae. *Suarezia* Budde-Lund, 1904, is still used as a valid genus name in Isopoda (e. g. Schotte et al., 1995). It includes two species from Madagascar, *Suarezia heterodoxa* (Dollfus, 1895) and *Suarezia differens* Barnard, 1959.

Thus, the generic name *Suarezia* Linnavuori and DeLong, 1978, is a junior homonym of *Suarezia* Budde-Lund, 1904 (Isopoda). We propose a new replacement name *Neosuarezia* **nom. nov.** for *Suarezia* Linnavuori and DeLong, 1978.

Etymology: From the preexisting name *Suarezia*. The prefix “Neo-” from the Greek “*neos*” meaning new.

Summary of nomenclatural changes:

***Neosuarezia* new replacement name**

= *Suarezia* Linnavuori and DeLong, 1978 (nec Budde-Lund, 1904).

***Neosuarezia reflexus* (Osborn, 1923) comb. nov.**

= *Eutettix reflexus* Osborn, 1923

= *Suarezia reflexus* (Osborn, 1923)

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LITERATURE CITED

- Budde-Lund, G.** 1904. A Revision of 'Crustacea Isopoda terrestria' with additions and illustrations. Parts 2 and 3. H. Hagerup. Copenhagen, Denmark. pp. 32-144.
- Edwards, M. A., P. Manly, and M. A. Tobias.** 1996. Nomenclator Zoologicus. The Zoological Society of London 9 (1978-1994): 442.
- Eisenack, A.** 1979. *Nollia eifelensis* (Acritarcha), ein Pyrocystis-ähnliches Mikrofossil aus dem Unter-Devon der Eifel. *Senckenbergiana Lethaea* 60 (1-3): 51-53.
- Freytag, P. H. and M. J. Sharkey.** 2002. A preliminary list of the leafhoppers (Homoptera: Cicadellidae) of Colombia. *Biota Colombiana* 3 (2): 235-283.
- Hamilton, K. G. A.** 1983. Revision of the Macropsini and Neopsini of the new-world (Rhynchota: Homoptera: Cicadellidae), with notes on intersex morphology. *Memoirs of the Entomological Society of Canada* 123. 223 pp.
- ICZN.** 1999. International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature. London, Great Britain, UK. XXIX + 306 pp.
- Linnavuori, R. and D. M. DeLong.** 1978. Neotropical leafhoppers of the *Bahita* group (Homoptera, Cicadellidae, Deltocephalinae). *Brenesia* (San José, Costa Rica). 14-15: 109-169.
- Mullins, G. L.** 2007. The phytoPal Taxonomic Database (taxon list). Collated and edited by G. L. Mullins, with contributions from R. J. Aldridge, K. J. Dornig, A. Le Herisse, Li Jun, M. Moczydlowska-Vidal, S. G. Molyneux, T. Servais, and R. Wicander. Updated February 2, 2007. Pages 1-1132. Available from: <http://www.le.ac.uk/geology/glm2/phytopal/taxa.pdf>.
- Oman, P. W., W. J. Knight, and M. W. Nielson.** 1990. Leafhoppers (Cicadellidae): A bibliography, generic check-list and index to the world literature 1956-1985. CAB International Institute of Entomology. Wallingford, UK. 368 pp.
- Schotte, M., B. F. Kensley, and S. Shilling.** 1995. World list of Marine, Freshwater and Terrestrial Crustacea Isopoda National Museum of Natural History Smithsonian Institution: Washington, D.C., U.S.A. Available from: <http://www.nmnh.si.edu/iz/isopod/>.